ELSEVIER

15 February 1995

Optics Communications 114 (1995) 531–538

OPTICS COMMUNICATIONS

Author index to volume 114

Abram, I., see J.C. Garreau 114 (1995) 155
Adler, C.L., W.S. Rabinovich, S.R. Bowman, B.J. Feldman, D.S. Katzer and C.S. Kyono, Dynamic white light holography using an optically addressed multiple quantum well spatial light modulator 114 (1995) 375
Agulló-López, F., see T. Alieva 114 (1995) 161
Al-Bader, S., see A.A. Shittu 114 (1995) 242
Albert, O., D.P. Kien, J.C. Loulergue and J. Etchepare, Time-resolved phase deformation analysis of induced Kerr nonlinearities: application to phonon mode determination 114 (1995) 315
Aldén, M., see K. Nyholm 114 (1995) 76
Alieva, T. and F. Agulló-López, Reconstruction of the optical correlation function in a quadratic refractive index medium 114 (1995) 161
Amat-Guerri, F., A. Costela, J.M. Figuera, F. Florido, I. Garcia-Moreno and R. Sastre, Laser action from a rhodamine 640-doped copolymer of 2-hydroxyethyl methacrylate and methyl methacrylate 114 (1995) 442
Andrés, P., see M. Kowalczyk 114 (1995) 211
Asakura, T., see K. Uno 114 (1995) 203

Badolo, M. and Ph. Emplit, Numerical analysis of modal dispersions in singly-clad multimode optical fibers 114 (1995) 64
Bagnoud, C. and N. Collings, Study of a bistable GaAs Fabry–Pérot device for operation in array format 114 (1995) 151
Baida, F., see D. Van Labeke 114 (1995) 470
Balconi, C., F. Casagrande, L.A. Lugiato, W. Lange and H. Walther, Self-pulsing behaviour in a mesomaser 114 (1995) 425
Barchiesi, D., see D. Van Labeke 114 (1995) 470
Basov, Yu.A., D.V. Roshchupkin, I.A. Schelokov and A.E. Yakshin, Two-dimensional X-ray focusing by a phase Fresnel zone plate at grazing incidence 114 (1995) 9
Begotti, M., see F. Fontana 114 (1995) 89
Bhatnagar, R., see R. Khare 114 (1995) 275
Bowman, S.R., see C.L. Adler 114 (1995) 375
Bozhevolnyi, S., see O. Keller 114 (1995) 491
Brabant, D., see J. Teichmann 114 (1995) 309
Brabec, T., see J.N. Elgin 114 (1995) 321
Bräuer, A., see F. Michelotti 114 (1995) 247
Bryngdahl, O., see F. Fetthauer 114 (1995) 230
Byron He, Q., see S. Campbell 114 (1995) 50

Cabrillo, C., W.S. Smyth, S. Swain and P. Zhou, Sensitive response of a two-level atom to a very weak squeezed vacuum 114 (1995) 344

Cai, B., see B. Lü 114 (1995) 181
Campbell, S., P. Yeh, C. Gu and Q. Byron He, Fidelity of image restoration by partial phase conjugation through multimode fibers 114 (1995) 50
Carnicer, A., E. Martín-Badosa, I. Juvells and S. Vallmitjana, Spatial envelop-free nonlinear joint transform correlation 114 (1995) 336
Carranza, J., see G. Martinez-Niconoff 114 (1995) 194
Casagrande, F., see C. Balconi 114 (1995) 425
Cavallari, M., G.M. Gale, F. Hache, L.I. Pavlov and E. Rousseau, Mid infra-red femtosecond pulse generation by wave-mixing: numerical simulation and experiment 114 (1995) 329
Chekhova, M.V., S.P. Kulik and A.N. Penin, Waveguide polariton modes in the polariton scattering spectra of a thin $LiNbO_3$ layer 114 (1995) 301
Chen, T.W., Effective sphere for spheroid in light scattering 114 (1995) 199
Chen, Y.C., see G. Yao 114 (1995) 101
Chen, Y.C., see P. Wang 114 (1995) 439
Cichocki, T., see M. Kowalczyk 114 (1995) 211
Collings, N., see C. Bagnoud 114 (1995) 151
Corbalán, R., see F. Silva 114 (1995) 519
Cornejo-Rodriguez, A., see G. Martinez-Niconoff 114 (1995) 194
Costela, A., see F. Amat-Guerri 114 (1995) 442
Courjon, D., see D. Van Labeke 114 (1995) 470
Czarske, J.W. and H. Mueller, Birefringent Nd:YAG microchip laser used in heterodyne vibrometry 114 (1995) 223

Dakhin, A.A., see R.A. Ganeev 114 (1995) 432
Daulatabad, S.R., see R. Khare 114 (1995) 275
De Valcárcel, G.J., see M.J. Tomás 114 (1995) 111
Devaux, F. and E. Lantz, Transfer function of spatial frequencies in parametric image amplification: experimental analysis and application to picosecond spatial filtering 114 (1995) 295
Du, D., see P.P. Pronko 114 (1995) 106
Dutta, S.K., see P.P. Pronko 114 (1995) 106
Dvorak, M.D. and B.L. Justus, Z-scan studies of nonlinear absorption and refraction in bulk, undoped InP 114 (1995) 147

Easton, R., see R. Nagarajan 114 (1995) 370
Elgin, J.N., T. Brabec and S.M.J. Kelly, A perturbative theory of soliton propagation in the presence of third order dispersion 114 (1995) 321
Emplit, Ph., see M. Badolo 114 (1995) 64
Escalera, J.C., see J. Ojeda-Castañeda 114 (1995) 189
Eschbach, R., see R. Nagarajan 114 (1995) 370
Etchepare, J., see O. Albert 114 (1995) 315

Fan, P., see X. Wang 114 (1995) 530
Farahi, F., see L.A. Ferreira 114 (1995) 386
Feldman, B.J., see C.L. Adler 114 (1995) 375
Feng, X., see X. Wang 114 (1995) 530
Ferreira, L.A. and J.L. Santos, Fibre optic interferometric sensor based on source coherence synthesis by dynamical spectral filtering of a superluminescent source 114 (1995) 381

Ferreira, L.A., J.L. Santos and F. Farahi, Polarization insensitive fibre-optic white-light interferometry 114 (1995) 386
Fetthauer, F., S. Weissbach and O. Bryngdahl, Computer-generated Fresnel holograms: quantization with the error diffusion algorithm 114 (1995) 230
Figuera, J.M., see F. Amat-Guerri 114 (1995) 442
Fischer, I., see D.M. Villeneuve 114 (1995) 141
Fleming, S., see Y. Zhao 114 (1995) 285
Florido, F., see F. Amat-Guerri 114 (1995) 442
Fontana, F., M. Begotti, E.M. Pessina and L.A. Lugiato, Maxwell–Bloch modelocking instabilities in erbium-doped fiber lasers 114 (1995) 89
Fritzon, R., see K. Nyholm 114 (1995) 76

Gabler, T., see F. Michelotti 114 (1995) 247
Gaižauskas, E. and K. Staliūnas, On the optimum conditions for the self-organization in three-wave nonlinear coupling 114 (1995) 463
Gale, G.M., see M. Cavallari 114 (1995) 329
Ganeev, R.A., F.Sh. Ganikhanov, I.G. Gorelik, A.A. Dakhin, D.G. Kunin, T. Usmanov and A.V. Zinoviev, Laser pulse duration measurements in the range of 0.2 to 50 picosecond 114 (1995) 432
Ganikhanov, F., J.-M. Hsieh and C.-L. Pan, Dynamics of the absorption recovery of dyes commonly used as intracavity saturable absorbers in self-starting passively mode-locked Ti:sapphire lasers 114 (1995) 289
Ganikhanov, F.Sh., see R.A. Ganeev 114 (1995) 432
Garcia-Moreno, I., see F. Amat-Guerri 114 (1995) 442
Garreau, J.C., J.A. Levenson and I. Abram, Simple method for laser chirp diagnosis: application to the measurement of the YLF nonlinear Kerr coefficient 114 (1995) 155
Georgiev, N., see K. Nyholm 114 (1995) 76
Gisin, N., Statistics of polarization dependent losses 114 (1995) 399
Gomez-Reino, C., see Z. Jaroszewicz 114 (1995) 1
Gorelik, I.G., see R.A. Ganeev 114 (1995) 432
Gorton, E.K., see P.D. Mason 114 (1995) 529
Greffet, J.-J., see F. Pincemin 114 (1995) 13
Gu, C., see S. Campbell 114 (1995) 50
Gu, M. and C.J.R. Sheppard, Optical transfer function analysis for two-photon 4Pi confocal fluorescence microscopy 114 (1995) 45
Gustavo Ramírez, J., see A.W. Lohmann 114 (1995) 30

Haaland, C.M., Laser electron acceleration in vacuum 114 (1995) 280
Hache, F., see M. Cavallari 114 (1995) 329
Hall, D.R., see D. Su 114 (1995) 255
Han, S., see X. Wang 114 (1995) 530
Haneishi, H., T. Shiobara and Y. Miyake, Color correction for colorimetric color reproduction in an electronic endoscope 114 (1995) 57
Haus, H.A., see F.I. Khatri 114 (1995) 447
Haussühl, S., G. Schetter and Th. Woike, Nitroprussides, a new group of materials for holographic information storage on the basis of metastable electronic states 114 (1995) 219
Heckenberg, N.R., see D.Y. Tang 114 (1995) 95
Holmstrom, S.A., B. Taheri, R.J. Reeves, R.C. Powell, E.J. Sharp and R.R. Neurgoankar, Nonlinear optical responses of strontium barium niobate 114 (1995) 413

Hörhold, H., see F. Michelotti 114 (1995) 247
Hsieh, J.-M., see F. Ganikhanov 114 (1995) 289

Jackel, S., see R. Lavi 114 (1995) 435
Jackson, D.J., see P.D. Mason 114 (1995) 529
Jamid, H., see A.A. Shittu 114 (1995) 242
Jaroszewicz, Z., A. Kolodziejczyk, D. Mouriz and C. Gomez-Reino, Spiral zone plates with arbitrary diameter of the dark spot in the centre of their focal point 114 (1995) 1
Jensen, H.R. and V. Zauls, Study of optical excitation of longitudinal waves inside a metal slab 114 (1995) 363
Jiménez-Aquino, J.I., The decay time of the time-dependent transient stochastic dynamics, in presence of an external force 114 (1995) 501
Jones, J.D.C., see D. Su 114 (1995) 255
Justus, B.L., see M.D. Dvorak 114 (1995) 147
Juvells, I., see A. Carnicer 114 (1995) 336

Kabelka, V. and A.V. Masalov, Dispersion limitations to short pulse generation with the parametric nonlinear mirror 114 (1995) 458
Katzer, D.S., see C.L. Adler 114 (1995) 375
Keller, O., M. Xiao and S. Bozhevolnyi, Optical paramagnetic polarizability of mesoscopic particles: a study of local field corrections 114 (1995) 491
Kelly, S.M.J., see J.N. Elgin 114 (1995) 321
Khare, R., S.R. Daulatabad, H.S. Vora and R. Bhatnagar, A tunable three-wavelength copper-vapor laser pumped dye laser with collinear output 114 (1995) 275
Khatri, F.I., J.D. Moores, G. Lenz and H.A. Haus, Models for self-limited additive pulse mode-locking 114 (1995) 447
Kien, D.P., see O. Albert 114 (1995) 315
Kim, M.S., Photon statistics in two-photon linear amplifiers 114 (1995) 262
Kivshar, Y.S. and W. Królikowski, Lagrangian approach for dark solitons 114 (1995) 353
Knize, R.J., see T. Takekoshi 114 (1995) 421
Kolodziejczyk, A., see Z. Jaroszewicz 114 (1995) 1
Korolkov, M.V. and T.V. Veremeenko, 2D spatial model and generation kinetics features of the DFB-laser with lateral spatially-periodic pump 114 (1995) 269
Kowalczyk, M., M. Martínez-Corral, T. Cichocki and P. Andrés, One-dimensional error-diffusion technique adapted for binarization of rotationally symmetric pupil filters 114 (1995) 211
Królikowski, W., see Y.S. Kivshar 114 (1995) 353
Krummrich, P.M., Optimization of Pr^{3+}-doped fiber amplifier design for different pump wavelengths 114 (1995) 453
Kulik, S.P., see M.V. Chekhova 114 (1995) 301
Kumazawa, I., see S. Lin 114 (1995) 481
Kunin, D.G., see R.A. Ganeev 114 (1995) 432
Kyono, C.S., see C.L. Adler 114 (1995) 375

Lallouz, R., see R. Lavi 114 (1995) 435
Lange, W., see C. Balconi 114 (1995) 425
Lantz, E., see F. Devaux 114 (1995) 295
Lavi, R., S. Tsadka, S. Jackel and R. Lallouz, Chromatic coupling of multiple laser diode pumps to laser materials 114 (1995) 435

Lee, K.K., see G. Yao 114 (1995) 101
Lee, K.K., see P. Wang 114 (1995) 439
Le Gall, H., see S.P. Pogossian 114 (1995) 235
Lenz, G., see F.I. Khatri 114 (1995) 447
Levenson, J.A., see J.C. Garreau 114 (1995) 155
Li, J.-Y., G.H.C. New, K. Smith and M. Øbro, Theory of a fibre ring laser mode-locked by cross-phase modulation 114 (1995) 119
Li, L., Analysis of planar waveguide grating couplers with double surface corrugations of identical period 114 (1995) 406
Li, R., see X. Wang 114 (1995) 530
Lin, S. and I. Kumazawa, Fully parallel arithmetic algorithm for an *N*-bit parallel adder and its optical implementations 114 (1995) 481
Liu, Z., see B. Lü 114 (1995) 181
Lohmann, A.W., J. Ojeda-Castañeda and J. Gustavo Ramírez, Zone plates encoding limaçonal variations 114 (1995) 30
Loulergue, J.C., see O. Albert 114 (1995) 315
Lü, B., B. Zhang, Z. Liu and B. Cai, Modelling the cylindrical lens array line focus system illuminated by partially coherent light 114 (1995) 181
Lu, P., see X. Wang 114 (1995) 530
Lucia, J.P. and J.P. Reilly, A dye laser-based amplifier for a CW mode-locked titanium sapphire laser and its use in the production of tunable ultraviolet light pulses 114 (1995) 125
Lugiato, L.A., see F. Fontana 114 (1995) 89
Lugiato, L.A., see C. Balconi 114 (1995) 425
Luna Acosta, G.A., see C.L. Pando L. 114 (1995) 509

Macaria, N., see J.P. Sharpe 114 (1995) 25
Martín-Badosa, E., see A. Carnicer 114 (1995) 336
Martínez-Corral, M., see M. Kowalczyk 114 (1995) 211
Martinez-Niconoff, G., J. Carranza and A. Cornejo-Rodriguez, Caustics of diffraction fields 114 (1995) 194
Masalov, A.V., see V. Kabelka 114 (1995) 458
Mason, P.D., D.J. Jackson and E.K. Gorton, CO_2 laser frequency doubling in $ZnGeP_2$ (Optics Comm. 110 (1994) 163). Erratum 114 (1995) 529
Matsumoto, M., Stability analysis of bandwidth-limited amplified soliton transmission 114 (1995) 69
McDuff, R., see C.P. Smith 114 (1995) 37
Michelotti, F., T. Gabler, H. Hörhold, R. Waldhausl and A. Bräuer, Prism coupling in DMOP-PPV optical waveguides 114 (1995) 247
Miyake, Y., see H. Haneishi 114 (1995) 57
Moerner, W.E., see T. Plakhotnik 114 (1995) 83
Moores, J.D., see F.I. Khatri 114 (1995) 447
Mouriz, D., see Z. Jaroszewicz 114 (1995) 1
Mourou, G., see P.P. Pronko 114 (1995) 106
Mueller, H., see J.W. Czarske 114 (1995) 223

Nagarajan, R., R. Easton and R. Eschbach, Using adaptive quantization in cell-oriented holograms 114 (1995) 370
Neurgoankar, R.R., see S.A. Holmstrom 114 (1995) 413
New, G.H.C., see J.-Y. Li 114 (1995) 119

Nyholm, K., R. Fritzon, N. Georgiev and M. Aldén, Two-photon induced polarization spectroscopy applied to the detection of NH_3 and CO molecules in cold flows and flames 114 (1995) 76

Øbro, M., see J.-Y. Li 114 (1995) 119
Ojeda-Castañeda, J., see A.W. Lohmann 114 (1995) 30
Ojeda-Castañeda, J., J.C. Escalera and M.J. Yzuel, Supergaussian rings: focusing properties 114 (1995) 189

Palm, V., see T. Plakhotnik 114 (1995) 83
Pan, C.-L., see F. Ganikhanov 114 (1995) 289
Pando L., C.L. and G.A. Luna Acosta, Phase dynamics in a single mode class-B laser 114 (1995) 509
Pavlov, L.I., see M. Cavallari 114 (1995) 329
Penin, A.N., see M.V. Chekhova 114 (1995) 301
Pessina, E.M., see F. Fontana 114 (1995) 89
Pincemin, F., A. Sentenac and J.-J. Greffet, Backscattering enhancement by subsurface particles 114 (1995) 13
Plakhotnik, T., W.E. Moerner, V. Palm and U.P. Wild, Single molecule spectroscopy: maximum emission rate and saturation intensity 114 (1995) 83
Pogossian, S.P. and H. Le Gall, Neutron and x-ray propagation laws in thin film waveguides 114 (1995) 235
Poole, S., see Y. Zhao 114 (1995) 285
Powell, R.C., see S.A. Holmstrom 114 (1995) 413
Pronko, P.P., S.K. Dutta, J. Squier, J.V. Rudd, D. Du and G. Mourou, Machining of submicron holes using a femtosecond laser at 800 nm 114 (1995) 106

Qian, A., see X. Wang 114 (1995) 530

Rabinovich, W.S., see C.L. Adler 114 (1995) 375
Ranganath, G.S., see Y. Sah 114 (1995) 18
Reeves, R.J., see S.A. Holmstrom 114 (1995) 413
Reilly, J.P., see J.P. Lucia 114 (1995) 125
Roldán, E., see M.J. Tomás 114 (1995) 111
Roshchupkin, D.V., see Yu.A. Basov 114 (1995) 9
Rousseau, E., see M. Cavallari 114 (1995) 329
Rudd, J.V., see P.P. Pronko 114 (1995) 106

Sah, Y. and G.S. Ranganath, Optical diffraction in some Fibonacci structures 114 (1995) 18
Santos, J.L., see L.A. Ferreira 114 (1995) 381, 386
Sastre, R., see F. Amat-Guerri 114 (1995) 442
Schelokov, I.A., see Yu.A. Basov 114 (1995) 9
Schetter, G., see S. Haussühl 114 (1995) 219
Sentenac, A., see F. Pincemin 114 (1995) 13
Sharp, E.J., see S.A. Holmstrom 114 (1995) 413
Sharpe, J.P., N. Sungar and N. Macaria, Observation of stochastic resonance using an optically addressed amorphous silicon/ferroelectric liquid crystal spatial light modulator 114 (1995) 25
Shen, B., see X. Wang 114 (1995) 530
Sheppard, C.J.R., see M. Gu 114 (1995) 45
Shiobara, T., see H. Haneishi 114 (1995) 57
Shittu, A.A., S. Al-Bader and H. Jamid, Mode reflectivity of finitely-periodic dielectric waveguides 114 (1995) 242

Silva, F., R. Corbalán and R. Vilaseca, Bi-directional pumping of far-infrared lasers: Theoretical gain spectrum and transferred Lamb-dip line shape 114 (1995) 519
Smith, C.P. and R. McDuff, Charge and position detection of phase singularities using holograms 114 (1995) 37
Smith, K., see J.-Y. Li 114 (1995) 119
Smyth, W.S., see C. Cabrillo 114 (1995) 344
Somkuarnpanit, S., see D. Su 114 (1995) 255
Squier, J., see P.P. Pronko 114 (1995) 106
Staliūnas, K., see E. Gaižauskas 114 (1995) 463
Stolow, A., see D.M. Villeneuve 114 (1995) 141
Su, D., S. Somkuarnpanit, D.R. Hall and J.D.C. Jones, Hollow core waveguide for high quality CO_2 laser beam delivery: exploitation of bend-induced mode coupling 114 (1995) 255
Sungar, N., see J.P. Sharpe 114 (1995) 25
Swain, S., see C. Cabrillo 114 (1995) 344

Taheri, B., see S.A. Holmstrom 114 (1995) 413
Takekoshi, T., J.R. Yeh and R.J. Knize, Quasi-electrostatic trap for neutral atoms 114 (1995) 421
Tang, D.Y., N.R. Heckenberg and C.O. Weiss, Phase-dependent helical pattern formation in a laser 114 (1995) 95
Teichmann, J. and D. Brabant, Chirp in forward stimulated Brillouin quasi-solitons 114 (1995) 309
Tomás, M.J., E. Roldán, G.J. De Valcárcel and R. Vilaseca, Generalization of the Lorenz–Haken model to atomic systems with different relaxation rates for the two laser levels 114 (1995) 111
Torner, L., Stationary solitary waves with second-order nonlinearities 114 (1995) 136
Tsadka, S., see R. Lavi 114 (1995) 435

Uno, K., J. Uozumi and T. Asakura, Speckle clustering in diffraction patterns of random objects under ring-slit illumination 114 (1995) 203
Uozumi, J., see K. Uno 114 (1995) 203
Usmanov, T., see R.A. Ganeev 114 (1995) 432

Vallmitjana, S., see A. Carnicer 114 (1995) 336
Van Labeke, D., F. Baida, D. Barchiesi and D. Courjon, A theoretical model for the Inverse Scanning Tunneling Optical Microscope (ISTOM) 114 (1995) 470
Veremeenko, T.V., see M.V. Korolkov 114 (1995) 269
Vilaseca, R., see M.J. Tomás 114 (1995) 111
Vilaseca, R., see F. Silva 114 (1995) 519
Villeneuve, D.M., I. Fischer and A. Stolow, High power tunable femtosecond visible and infrared light from a synchronized Ti:sapphire/Nd:YAG laser system by difference frequency mixing 114 (1995) 141
Vodopyanov, K.L. and V.G. Voevodin, 2.8 μm laser pumped type I and type II travelling-wave optical parametric generator in GaSe 114 (1995) 333
Voevodin, V.G., see K.L. Vodopyanov 114 (1995) 333
Vora, H.S., see R. Khare 114 (1995) 275

Wabnitz, S., Pulse self-switching in optical fiber Bragg gratings 114 (1995) 170
Wagnière, G., see S. Woźniak 114 (1995) 131
Waldhausl, R., see F. Michelotti 114 (1995) 247
Walther, H., see C. Balconi 114 (1995) 425

Wang, P., see G. Yao 114 (1995) 101
Wang, P., S.-H. Zhou, K.K. Lee and Y.C. Chen, Picosecond laser pulse generation in a monolithic self-*Q*-switched solid-state laser 114 (1995) 439
Wang, X., Z. Xu, Z. Zhang, P. Fan, B. Shen, S. Han, L. Zhang, P. Lu, R. Li, X. Feng and A. Qian, An alternative method for gain determination of recombination X-ray lasers (Optics Comm. 113 (1994) 85). Erratum 114 (1995) 530
Weiss, C.O., see D.Y. Tang 114 (1995) 95
Weissbach, S., see F. Fetthauer 114 (1995) 230
Wild, U.P., see T. Plakhotnik 114 (1995) 83
Woike, Th., see S. Haussühl 114 (1995) 219
Woźniak, S. and G. Wagnière, Non-resonant optical rectification in optically active liquids 114 (1995) 131

Xiao, M., see O. Keller 114 (1995) 491
Xu, Z., see X. Wang 114 (1995) 530

Yakshin, A.E., see Yu.A. Basov 114 (1995) 9
Yao, G., S.-H. Zhou, P. Wang, K.K. Lee and Y.C. Chen, Dynamics of transverse mode in self-*Q*-switched solid-state lasers 114 (1995) 101
Yeh, J.R., see T. Takekoshi 114 (1995) 421
Yeh, P., see S. Campbell 114 (1995) 50
Yurkin, A.V., System of rays in lasers and a new feasibility of light coherence control 114 (1995) 393
Yzuel, M.J., see J. Ojeda-Castañeda 114 (1995) 189

Zauls, V., see H.R. Jensen 114 (1995) 363
Zhang, B., see B. Lü 114 (1995) 181
Zhang, L., see X. Wang 114 (1995) 530
Zhang, Z., see X. Wang 114 (1995) 530
Zhao, Y., S. Fleming and S. Poole, 22 mW blue output power from a Pr^{3+} fluoride fibre upconversion laser 114 (1995) 285
Zhou, P., see C. Cabrillo 114 (1995) 344
Zhou, S.-H., see G. Yao 114 (1995) 101
Zhou, S.-H., see P. Wang 114 (1995) 439
Zinoviev, A.V., see R.A. Ganeev 114 (1995) 432

ELSEVIER

15 February 1995

Optics Communications 114 (1995) 539–543

OPTICS COMMUNICATIONS

Subject Index to Volume 114

Propagation and transmission in homogeneous media

Spiral zone plates with arbitrary diameter of the dark spot in the centre of their focal point, Z. Jaroszewicz, A. Kolodziejczyk, D. Mouriz and C. Gomez-Reino 114 (1995) 1
Two-dimensional X-ray focusing by a phase Fresnel zone plate at grazing incidence, Yu.A. Basov, D.V. Roshchupkin, I.A. Schelokov and A.E. Yakshin 114 (1995) 9
Backscattering enhancement by subsurface particles, F. Pincemin, A. Sentenac and J.-J. Greffet 114 (1995) 13
Optical diffraction in some Fibonacci structures, Y. Sah and G.S. Ranganath 114 (1995) 18
Modelling the cylindrical lens array line focus system illuminated by partially coherent light, B. Lü, B. Zhang, Z. Liu and B. Cai 114 (1995) 181
Supergaussian rings: focusing properties, J. Ojeda-Castañeda, J.C. Escalera and M.J. Yzuel 114 (1995) 189
Caustics of diffraction fields, G. Martinez-Niconoff, J. Carranza and A. Cornejo-Rodriguez 114 (1995) 194
Effective sphere for spheroid in light scattering, T.W. Chen 114 (1995) 199
Study of optical excitation of longitudinal waves inside a metal slab, H.R. Jensen and V. Zauls 114 (1995) 363

Propagation and transmission in inhomogeneous media

Reconstruction of the optical correlation function in a quadratic refractive index medium, T. Alieva and F. Agulló-López 114 (1995) 161
Speckle clustering in diffraction patterns of random objects under ring-slit illumination, K. Uno, J. Uozumi and T. Asakura 114 (1995) 203

Optical information, image formation and analysis, optical computing

Observation of stochastic resonance using an optically addressed amorphous silicon/ferroelectric liquid crystal spatial light modulator, J.P. Sharpe, N. Sungar and N. Macaria 114 (1995) 25
Zone plates encoding limaçonal variations, A.W. Lohmann, J. Ojeda-Castañeda and J. Gustavo Ramírez 114 (1995) 30
Charge and position detection of phase singularities using holograms, C.P. Smith and R. McDuff 114 (1995) 37
Optical transfer function analysis for two-photon 4Pi confocal fluorescence microscopy, M. Gu and C.J.R. Sheppard 114 (1995) 45
Fidelity of image restoration by partial phase conjugation through multimode fibers, S. Campbell, P. Yeh, C. Gu and Q. Byron He 114 (1995) 50

Color correction for colorimetric color reproduction in an electronic endoscope, H. Haneishi, T. Shiobara and Y. Miyake 114 (1995) 57
One-dimensional error-diffusion technique adapted for binarization of rotationally symmetric pupil filters, M. Kowalczyk, M. Martínez-Corral, T. Cichocki and P. Andrés 114 (1995) 211
Nitroprussides, a new group of materials for holographic information storage on the basis of metastable electronic states, S. Haussühl, G. Schetter and Th. Woike 114 (1995) 219
Birefringent Nd:YAG microchip laser used in heterodyne vibrometry, J.W. Czarske and H. Mueller 114 (1995) 223
Computer-generated Fresnel holograms: quantization with the error diffusion algorithm, F. Fetthauer, S. Weissbach and O. Bryngdahl 114 (1995) 230
Spatial envelop-free nonlinear joint transform correlation, A. Carnicer, E. Martín-Badosa, I. Juvells and S. Vallmitjana 114 (1995) 336
Using adaptive quantization in cell-oriented holograms, R. Nagarajan, R. Easton and R. Eschbach 114 (1995) 370
Dynamic white light holography using an optically addressed multiple quantum well spatial light modulator, C.L. Adler, W.S. Rabinovich, S.R. Bowman, B.J. Feldman, D.S. Katzer and C.S. Kyono 114 (1995) 375
A theoretical model for the Inverse Scanning Tunneling Optical Microscope (ISTOM), D. Van Labeke, F. Baida, D. Barchiesi and D. Courjon 114 (1995) 470
Fully parallel arithmetic algorithm for an *N*-bit parallel adder and its optical implementations, S. Lin and I. Kumazawa 114 (1995) 481

Optical communications

Numerical analysis of modal dispersions in singly-clad multimode optical fibers, M. Badolo and Ph. Emplit 114 (1995) 64
Stability analysis of bandwidth-limited amplified soliton transmission, M. Matsumoto 114 (1995) 69
Pulse self-switching in optical fiber Bragg gratings, S. Wabnitz 114 (1995) 170
Neutron and x-ray propagation laws in thin film waveguides, S.P. Pogossian and H. Le Gall 114 (1995) 235
Mode reflectivity of finitely-periodic dielectric waveguides, A.A. Shittu, S. Al-Bader and H. Jamid 114 (1995) 242
Prism coupling in DMOP-PPV optical waveguides, F. Michelotti, T. Gabler, H. Hörhold, R. Waldhausl and A. Bräuer 114 (1995) 247
Hollow core waveguide for high quality CO_2 laser beam delivery: exploitation of bend-induced mode coupling, D. Su, S. Somkuarnpanit, D.R. Hall and J.D.C. Jones 114 (1995) 255
Fibre optic interferometric sensor based on source coherence synthesis by dynamical spectral filtering of a superluminescent source, L.A. Ferreira and J.L. Santos 114 (1995) 381
Polarization insensitive fibre-optic white-light interferometry, L.A. Ferreira, J.L. Santos and F. Farahi 114 (1995) 386
System of rays in lasers and a new feasibility of light coherence control, A.V. Yurkin 114 (1995) 393
Statistics of polarization dependent losses, N. Gisin 114 (1995) 399
Analysis of planar waveguide grating couplers with double surface corrugations of identical period, L. Li 114 (1995) 406

Atomic and molecular physics

Photon statistics in two-photon linear amplifiers, M.S. Kim 114 (1995) 262

Sensitive response of a two-level atom to a very weak squeezed vacuum, C. Cabrillo, W.S. Smyth, S. Swain and P. Zhou 114 (1995) 344
Optical paramagnetic polarizability of mesoscopic particles: a study of local field corrections, O. Keller, M. Xiao and S. Bozhevolnyi 114 (1995) 491

Condensed matter

Two-photon induced polarization spectroscopy applied to the detection of NH_3 and CO molecules in cold flows and flames, K. Nyholm, R. Fritzon, N. Georgiev and M. Aldén 114 (1995) 76
Single molecule spectroscopy: maximum emission rate and saturation intensity, T. Plakhotnik, W.E. Moerner, V. Palm and U.P. Wild 114 (1995) 83
Study of optical excitation of longitudinal waves inside a metal slab, H.R. Jensen and V. Zauls 114 (1995) 363
Nonlinear optical responses of strontium barium niobate, S.A. Holmstrom, B. Taheri, R.J. Reeves, R.C. Powell, E.J. Sharp and R.R. Neurgoankar 114 (1995) 413

Plasmas

Quasi-electrostatic trap for neutral atoms, T. Takekoshi, J.R. Yeh and R.J. Knize 114 (1995) 421
Self-pulsing behaviour in a mesomaser, C. Balconi, F. Casagrande, L.A. Lugiato, W. Lange and H. Walther 114 (1995) 425

Lasers

Maxwell–Bloch modelocking instabilities in erbium-doped fiber lasers, F. Fontana, M. Begotti, E.M. Pessina and L.A. Lugiato 114 (1995) 89
Phase-dependent helical pattern formation in a laser, D.Y. Tang, N.R. Heckenberg and C.O. Weiss 114 (1995) 95
Dynamics of transverse mode in self-Q-switched solid-state lasers, G. Yao, S.-H. Zhou, P. Wang, K.K. Lee and Y.C. Chen 114 (1995) 101
Machining of sub-micron holes using a femtosecond laser at 800 nm, P.P. Pronko, S.K. Dutta, J. Squier, J.V. Rudd, D. Du and G. Mourou 114 (1995) 106
Generalization of the Lorenz–Haken model to atomic systems with different relaxation rates for the two laser levels, M.J. Tomás, E. Roldán, G.J. De Valcárcel and R. Vilaseca 114 (1995) 111
Theory of a fibre ring laser mode-locked by cross-phase modulation, J.-Y. Li, G.H.C. New, K. Smith and M. Øbro 114 (1995) 119
A dye laser-based amplifier for a CW mode-locked titanium sapphire laser and its use in the production of tunable ultraviolet light pulses, J.P. Lucia and J.P. Reilly 114 (1995) 125
2D spatial model and generation kinetics features of the DFB-laser with lateral spatially-periodic pump, M.V. Korolkov and T.V. Veremeenko 114 (1995) 269
A tunable three-wavelength copper-vapor laser pumped dye laser with collinear output, R. Khare, S.R. Daulatabad, H.S. Vora and R. Bhatnagar 114 (1995) 275
Laser electron acceleration in vacuum, C.M. Haaland 114 (1995) 280
22 mW blue output power from a Pr^{3+} fluoride fibre upconversion laser, Y. Zhao, S. Fleming and S. Poole 114 (1995) 285

Dynamics of the absorption recovery of dyes commonly used as intracavity saturable absorbers in self-starting passively mode-locked Ti:sapphire lasers, F. Ganikhanov, J.-M. Hsieh and C.-L. Pan 114 (1995) 289
Laser pulse duration measurements in the range of 0.2 to 50 picosecond, R.A. Ganeev, F.Sh. Ganikhanov, I.G. Gorelik, A.A. Dakhin, D.G. Kunin, T. Usmanov and A.V. Zinoviev 114 (1995) 432
Chromatic coupling of multiple laser diode pumps to laser materials, R. Lavi, S. Tsadka, S. Jackel and R. Lallouz 114 (1995) 435
Picosecond laser pulse generation in a monolithic self-*Q*-switched solid-state laser, P. Wang, S.-H. Zhou, K.K. Lee and Y.C. Chen 114 (1995) 439
Laser action from a rhodamine 640-doped copolymer of 2-hydroxyethyl methacrylate and methyl methacrylate, F. Amat-Guerri, A. Costela, J.M. Figuera, F. Florido, I. Garcia-Moreno and R. Sastre 114 (1995) 442
Models for self-limited additive pulse mode-locking, F.I. Khatri, J.D. Moores, G. Lenz and H.A. Haus 114 (1995) 447
Optimization of Pr^{3+}-doped fiber amplifier design for different pump wavelengths, P.M. Krummrich 114 (1995) 453
The decay time of the time-dependent transient stochastic dynamics, in presence of an external force, J.I. Jiménez-Aquino 114 (1995) 501
Phase dynamics in a single mode class-B laser, C.L. Pando L. and G.A. Luna Acosta 114 (1995) 509
Bi-directional pumping of far-infrared lasers: Theoretical gain spectrum and transferred Lamb-dip line shape, F. Silva, R. Corbalán and R. Vilaseca 114 (1995) 519

Nonlinear optics

Non-resonant optical rectification in optically active liquids, S. Woźniak and G. Wagnière 114 (1995) 131
Stationary solitary waves with second-order nonlinearities, L. Torner 114 (1995) 136
High power tunable femtosecond visible and infrared light from a synchronized Ti:sapphire/Nd:YAG laser system by difference frequency mixing, D.M. Villeneuve, I. Fischer and A. Stolow 114 (1995) 141
Z-scan studies of nonlinear absorption and refraction in bulk, undoped InP, M.D. Dvorak and B.L. Justus 114 (1995) 147
Study of a bistable GaAs Fabry–Pérot device for operation in array format, C. Bagnoud and N. Collings 114 (1995) 151
Simple method for laser chirp diagnosis: application to the measurement of the YLF nonlinear Kerr coefficient, J.C. Garreau, J.A. Levenson and I. Abram 114 (1995) 155
Transfer function of spatial frequencies in parametric image amplification: experimental analysis and application to picosecond spatial filtering, F. Devaux and E. Lantz 114 (1995) 295
Waveguide polariton modes in the polariton scattering spectra of a thin $LiNbO_3$ layer, M.V. Chekhova, S.P. Kulik and A.N. Penin 114 (1995) 301
Chirp in forward stimulated Brillouin quasi-solitons, J. Teichmann and D. Brabant 114 (1995) 309
Time-resolved phase deformation analysis of induced Kerr nonlinearities: application to phonon mode determination, O. Albert, D.P. Kien, J.C. Loulergue and J. Etchepare 114 (1995) 315
A perturbative theory of soliton propagation in the presence of third order dispersion, J.N. Elgin, T. Brabec and S.M.J. Kelly 114 (1995) 321
Mid infra-red femtosecond pulse generation by wave-mixing: numerical simulation and experiment, M. Cavallari, G.M. Gale, F. Hache, L.I. Pavlov and E. Rousseau 114 (1995) 329

2.8 μm laser pumped type I and type II travelling-wave optical parametric generator in GaSe, K.L. Vodopyanov and V.G. Voevodin 114 (1995) 333
Lagrangian approach for dark solitons, Y.S. Kivshar and W. Królikowski 114 (1995) 353
Dispersion limitations to short pulse generation with the parametric nonlinear mirror, V. Kabelka and A.V. Masalov 114 (1995) 458
On the optimum conditions for the self-organization in three-wave nonlinear coupling, E. Gaižauskas and K. Staliūnas 114 (1995) 463